DT08 Rec'd PCT/PTO 14 0 MAR 2005 ATTORNEY'S DOCKET NUMBER ORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE ARIZ-10665 TRANSMITTAL LETTER TO THE UNITED STATES U.S. APPLICATION NO. (HEKNOW) DESIGNATED/ELECTED OFFICE (DO/EO/US) see 37 CFR 1.5) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 PRIORITY DATE CLAIMED INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PCT/US2003/028432 10 September 2003 10 September 2002 TITLE OF INVENTION METHOD AND APPARATUS FOR SIMULTANEOUS HEAT AND MASS TRANSFER UTILIZING A CARRIER-GAS APPLICANT(S) FOR DO/EO/US Beckman, James R. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 2. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), 3. (9) and (24) indicated below.  $\boxtimes$ The US has been elected (Article 31). 4. A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) a. 🗆 is attached hereto (required only if not communicated by the International Bureau). b. 🛛 has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US).  $\boxtimes$ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). 6. a. 🔲 is attached hereto has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) a. 🔲 are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. C. d. 🗆 have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). An English language translation of the annexes to the International Preliminary Examination Report under PCT 10. Article 36 (35 U.S.C. 371 (c)(5)). A copy of the International Preliminary Examination Report (PCT/IPEA/409). 11. 12. A copy of the International Search Report (PCT/ISA/210). Items 13 to 23 below concern document(s) or information included: 13. An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 14. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15  $\boxtimes$ A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment. 16. 17. A substitute specification. X 18. A power of attorney and/or change of address letter. 19. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 20. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 21. A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 22.  $\boxtimes$ Express Mail Label No. EV 614493973US  $\boxtimes$ 23. Other items or information:

1. Prescribed fee of \$500; 2. Return postcard.

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PTO-1390 (Rev. 12-2004)
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U.S. APPLICATION NO (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION					ICATION NO.	ATTORNEY'S DOCKET NUMBER		
10/527374			PCT/US20	PCT/US2003/028432			ARIZ-10665	
24. The following fees are submitted:						Applicant use	Office use	
						\$ \$300.00		
☑   b) Examination fee   \$200.00						\$ \$200.00		
\$500.00						\$ \$500.00		
TOTAL OF ABOVE CALCULATIONS = \$1000.00						\$ \$1,000.00		
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.								
Total Sheets	Extra Sheets Number of each additional 50 or fraction thereof (round up to a whole			RATE				
- 100 =	/50 =				× \$250.00	\$ \$0.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).						\$		
CLAIMS	MS NUMBER FILED		NUMBER EXTRA		RATE			
Total claims	20	- 20 =	0	x	\$50.00	\$ \$0.00		
Independent clai	ms 2	- 3=	0	x	\$200.00	\$ \$0.00		
MULTIPLE DEPENDENT CLAIMS (if applicable) +					\$360.00	\$ \$0.00		
TOTAL OF ABOVE CALCULATIONS =						\$ \$1,000.00		
Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.						\$ \$500.00		
<del></del> ·						\$ \$500.00		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).						\$ \$0.00		
-						\$ \$500.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +						\$ \$0.00		
						\$ \$500.00		
Amount to be refunded:							\$	
Amount to be charged:							\$	
a. A check in the amount of \$\$500.00 to cover the above fees is enclosed.								
b. Please charge my Deposit Account No in the amount of to cover the above fees. A duplicate copy of this sheet is								
c. The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-0513 . A duplicate copy of this sheet is enclosed.								
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.								
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a <u>petition</u> to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pend <del>ing</del> Status								
SEND ALL CORRESPONDENCE TO: Send ALL CORRESPONDENCE TO:								
Pacer K. Udall SIGNATURE								
SCHMEISER, OLSEN & WATTS LLP  18 E. University Dr., #101					Pacer K. U	K. Udall		
					NAME	NAME		
(480) 655-0073 50,976								
REGISTRAT						ION NUMBER		